

REMARKS

The present amendment is submitted in response to telephonic contact from Examiner Stevens to the undersigned attorney. No new matter has been added. Examiner Stevens indicated that he was prepared to allow all pending claims, upon
5 resolution of three issues, discussed hereinbelow. Applicants and their undersigned attorney acknowledge with deep gratitude the Examiner's courtesy in initiating the telephone contact and the willingness to allow the pending the claims.

The first issue pertained to an antecedent basis issue with Claim 34. Claim 34 has now been amended to correct this problem, as per the telephonic contact
10 referenced above.

The second issue pertained to an antecedent basis issue with Claim 47. Claim 47 has now been amended to correct this problem, as per the telephonic contact referenced above.

The third issue pertained to FIG. 9. Specifically, Examiner Stevens
15 indicated that reference characters 701 through 725 did not appear to be mentioned in the specification. FIG. 9 and the related passages in the specification have been carefully reviewed and it has been determined that characters 701 through 725 should, in fact, be characters 601 through 625 - please refer to page 60, line 13. FIG. 9 has been amended to reflect that matrix 600 of FIG. 6 is reproduced therein. Furthermore, it has been
20 determined that certain reference characters were used twice, so elements 1001 through 1010 are renumbered as elements 901 through 910 to avoid ambiguity (see use of character 1010 for a different element in FIG. 10). Finally, it was noted that row w4x2 had certain elements misplaced, as would be apparent to the skilled artisan from the synthesizer model 810 of FIG. 8. The appropriate paragraph of the specification has been
25 amended to employ consistent reference numbers.

All of the pending claims are in condition for allowance and such favorable action is earnestly solicited.

If any outstanding issues remain, or if the Examiner has any further suggestions for expediting allowance of this application, the Examiner is invited to contact the undersigned at the telephone number indicated below.

The Examiner's attention to this matter is appreciated.

5

Respectfully submitted,



Date: September 13, 2006

10

Paul J. Otterstedt
Attorney for Applicants
Reg. No. 37,411
Ryan, Mason & Lewis, LLP
1300 Post Road, Suite 205
Fairfield, CT 06824
(203)255-6560



Annotated Sheet s/N 09/838,449

FIG. 9

930

| | w_1x_1 | w_1x_2 | w_1x_3 | w_2x_1 | w_2x_2 | w_2x_3 | w_3x_1 | w_3x_2 | w_3x_3 | w_4x_1 | w_4x_2 | w_4x_3 | |
|----------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| w_1x_1 | 701 ⁶⁰¹ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | r_1 |
| w_1x_2 | 702 ⁶⁰² | 703 ⁶⁰³ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | r_2 |
| w_1x_3 | 0 | 704 ⁶⁰⁴ | 705 ⁶⁰⁵ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | r_3 |
| w_2x_1 | 706 ⁶⁰⁶ | 0 | 0 | 707 ⁶⁰⁷ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | r_4 |
| w_2x_2 | 708 ⁶⁰⁸ | 709 ⁶⁰⁹ | 0 | 710 ⁶¹⁰ | 711 ⁶¹¹ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | r_5 |
| w_2x_3 | 0 | 712 ⁶¹² | 713 ⁶¹³ | 0 | 714 ⁶¹⁴ | 715 ⁶¹⁵ | 0 | 0 | 0 | 0 | 0 | 0 | r_6 |
| w_3x_1 | 0 | 0 | 716 ⁶¹⁶ | 717 ⁶¹⁷ | 0 | 0 | 718 ⁶¹⁸ | 0 | 0 | 0 | 0 | 0 | r_7 |
| w_3x_2 | 0 | 0 | 719 ⁶¹⁹ | 720 ⁶²⁰ | 0 | 0 | 721 ⁶²¹ | 0 | 0 | 0 | 0 | 0 | r_8 |
| w_3x_3 | 0 | 0 | 0 | 722 ⁶²² | 723 ⁶²³ | 0 | 724 ⁶²⁴ | 725 ⁶²⁵ | 0 | 0 | 0 | 0 | r_9 |
| w_4x_1 | 0 | 0 | 0 | 0 | 0 | 0 | 1001 ⁹⁰¹ | 0 | 0 | 1002 ⁹⁰² | 0 | 0 | r_{10} |
| w_4x_2 | 0 | 0 | 0 | 0 | 0 | 0 | 1003 ⁹⁰³ | 1004 ⁹⁰⁴ | 0 | 1005 ⁹⁰⁵ | 1006 ⁹⁰⁶ | 0 | r_{11} |
| w_4x_3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1007 ⁹⁰⁷ | 1008 ⁹⁰⁸ | 0 | 1009 ⁹⁰⁹ | 1010 ⁹¹⁰ | r_{12} |

600

900